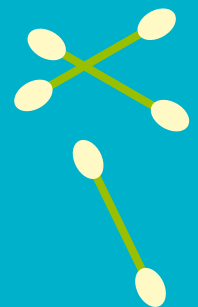
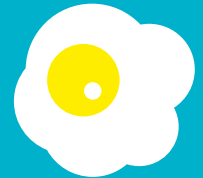


## Let's Stop the Block

- Around half of all sewer blockages are caused by the wrong things being flushed down the toilet or poured down the kitchen sink
- Wet wipes, disposable nappies and sanitary products are the main items that cause problems
- Every two days someone's home is flooded by a blocked sewer
- Welsh Water receives a report from a customer about a blockage every 15 minutes
- Every day Welsh Water's crews clear an average of 80 sewer and drain blockages
- 13 blockages a day are on the customer's pipework – where the cost of the clearing is their responsibility
- Welsh Water's sewer network is over 35,000km long. That is long enough to stretch to Australia – and back!
- 6000 blockages a year are caused by wet wipes
- It costs £7million each year to clear the blockages
- Welsh Water staff spend 28,000 hours every year to clear blockages
- If the cotton buds flushed down Welsh Water's sewer network were laid end to end they would stretch from Cardiff to Carmarthen (approx. 60 miles!)



Sign our pledge at [www.letsstoptheblock.com](http://www.letsstoptheblock.com)  
and have a chance of winning a mini iPad.





# Let's Stop the Block

## Cardiff – Sewer Abuse Case Study

**Date:**

30 July 2015

**Location:**

COWBRIDGE ROAD WEST, CARDIFF, CF5 5DB

**Reported by:**

Jason Williams

**Material found in sewer:**

Metal bar

**Description:**

Jetted upstream from ST12756551 clear blockage then dragged line pulled back large piece of metal then looksee broken pipe and large piece of concrete wash in line, surveyed upstream found concrete wash in line, jetted upstream with warthog and tried to cut out concrete some still left in line took photo survey upstream again found bent metal rod in line jetted and dragged this back to chamber at rear of 526 removed rod updated redlining and carded customer.





# Let's Stop the Block

## Cowbridge – Sewer Abuse Case Study

**Date:**  
20 September 2015

**Location:**  
High Street, Cowbridge, CF71 7AH

**Reported by:**  
Luke Bentley

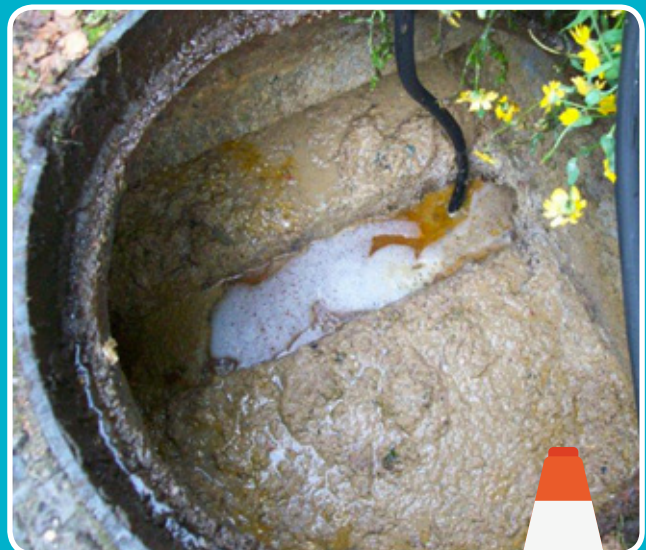
**Material found in sewer:**  
Fat, oil & grease

**Description:**  
Inspected manhole SS99742703, which was full of FOG. Checked downstream manhole SS99743601, which was clear. Set up on SS99743601 and jetted upstream approximately 50m. Line full of solid FOG from 5m - 50m. Was able to clear blockage with warthog and full tank of water, however, the line blocked up further downstream due to the amount of fat. Traced resulting blockage downstream to SS99743605 on Church Rd, some 150m away and cleared. Have jetted with warthog some 200m in total to restore full flow. Customer said he had to shut down and lost £3000 in takings due to smell and no use of toilets for customers.



**Below left:**  
Chamber blocked with fat, oil and grease

**Below right:**  
Chamber during difficult blockage clearance showing sludge of FOG compounds







# Let's Stop the Block

## Llandudno Pumping Station – Sewer Abuse Case Study

**Date:**

16 July 2015

**Location:**

Llandudno Junction Tesco SPS

**Reported by:**

Laura Lloyd

**Material found in sewer:**

FOG

**Description:**

We've now adopted the former private Llandudno Jct Tesco SPS, this is across the road from the SPS at KFC and takes flows from the KFC station.

The wet well at the Tesco SPS was full of FOGs and it took 2 GEWS tankers and a man entry into the wet well to dig out approx. 4ft of solid FOGs. GEWS were on site for 4 hours cleaning out the well and both GEWS and Nomenca said it was the worst well they had ever seen. The pumps were also fogged up and as a result we need to replace the impellers.

